

## TECHNICAL DATA SHEET

### Lakepaper

#### EXTRA white matt | 90 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	86 - 94
Caliper	ISO 534, µm:	120 ± 10
Bulk	ISO 534, cm <sup>3</sup> /g:	1,35 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 600
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 800
Brightness	CIE-value:	≥ 142
Opacity	TAPPI 425, %:	≥ 81

All data refer to our own, in-house conducted measurement results and practical experiences. According to CEPAC, all tolerances specified in the general conditions of sale are to be regarded as fulfilled if 95% of the measured values lie within the prescribed tolerances. Binding for the delivery of our products are the General Conditions of Sale of Paper and Board Manufacturers in EC (CEPAC guideline). We reserve the right for changes to this material due to technical advancement. The use of different measurement devices may lead to deviant measurement results.

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#### EXTRA white matt | 100 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	96 - 104
Caliper	ISO 534, µm:	135 ± 15
Bulk	ISO 534, cm <sup>3</sup> /g:	1,35 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 700
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 800
Brightness	CIE-value:	≥ 142
Opacity	TAPPI 425, %:	≥ 84

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#### EXTRA white matt | 135 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	130 - 140
Caliper	ISO 534, μm:	180 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1,35 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 900
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 800
Brightness	CIE-value:	≥ 144
Opacity	TAPPI 425, %:	≥ 91

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## TECHNICAL DATA SHEET

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#### EXTRA white matt | 200 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	190 - 200
Caliper	ISO 534, µm:	270 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1,35 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4500
	length, m:	≥ 5500
	cross, m:	≥ 3500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1300
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 800
Brightness	CIE-value:	≥ 144
Opacity	TAPPI 425, %:	≥ 96

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## TECHNICAL DATA SHEET

### Lakepaper

#### EXTRA white matt | 250 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	237 - 263
Caliper	ISO 534, µm:	340 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1,35 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4000
	length, m:	≥ 5000
	cross, m:	≥ 3000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1500
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 800
Brightness	CIE-value:	≥ 144
Opacity	TAPPI 425, %:	≥ 97

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#### EXTRA white matt | 300 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	285 - 315
Caliper	ISO 534, µm:	390 ± 25
Bulk	ISO 534, cm <sup>3</sup> /g:	1,3 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5500
	length, m:	≥ 6500
	cross, m:	≥ 4500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2000
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 1000
Brightness	CIE-value:	≥ 144
Opacity	TAPPI 425, %:	≥ 98

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## TECHNICAL DATA SHEET

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#### EXTRA white matt | 350 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	332 - 368
Caliper	ISO 534, µm:	425 ± 30
Bulk	ISO 534, cm <sup>3</sup> /g:	1,2 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5500
	length, m:	≥ 6500
	cross, m:	≥ 4500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2800
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	45 ± 15
pH-Value	DIN 53124:	≥ 7,5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	200 - 1000
Brightness	CIE-value:	≥ 144
Opacity	TAPPI 425, %:	≥ 98

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EXTRA white matt

Test of the light-fastness of the color under a xenon arc lamp

Heraeus, Suntest CPS

Evaluation according to the blue scale (wool scale) | DIN EN ISO 105-B02

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